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	Attorney Dock	et Number 8	87552.99R272/SE-1528PD Jifa Hao, et al.					
DECLARATION FOR UTILIT	TY OR First Named I	nventor Ji						
DESIGN PATENT APPLICATIO	N .	COMPLETE IF KNOWN						
(37 CFR 1.63)		Application Number TBA						
·	Filing Date	Filing Date Herewith						
☐ Declaration ☐ Declaration ☐ Submitted OR Submitted after Initial	er Initial Group Art Unit	Group Art Unit Unknown						
with Initial Filing (surcha Filing (37 CFR 1.16 required)		ne Unknow	vn					

As a below named in	ventor, i hereby d	eclare			·					
My residence, post office address, and citizenship are as stated below next to my name.										
names are listed below) of the subject ma	tter which is claimed a	me is listed below) or an origi and for which a patent is soug 'H HIGH AVALANC	jht on the invention e	ntitled:					
the specification of which (Title of the Invention)										
	is attached hereto									
OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International										
Application Number	Application Number TBA and was amended on (MM/DD/YYYY) (if applicable).									
	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as									
	amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.									
	I auditoriouse the duty to alcohold mildrid mildrid motion to parametering as defined in 2.									
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.										
Prior Foreign Application		-	Priority	Certified Copy Attached?						
Number(s)		Country	(MM/DD/YYYY)	Not Claimed	YES NO					
None										
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:										
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.										
Application Number	er(s)	Filing Date (MM/DD/YYYY)							
None				numbe supple	onal provisional application ors are listed on a mental priority data sheet B/02B attached hereto.					

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:



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DECLARATION—Utility or Design Patent Application

America, listed be application in the	elow and, manner pr	inder 35 U.S.C. 1 insofar as the su ovided by the first available between	bject ma paragrap	tter of each	ach of th J.S.C. 11	ie claims of 2, I acknow	this appledge the	lication is duty to di	not sclos	disclosed e informa	in the pration which	rior Unite is mater	ed States or PC ial to patentabilit	T International		
	U.S. Parent Application or PCT Parent Number						Parent Filing Date (MM/DD/YYYY)				Parent Patent Number (if applicable)					
None		inder			(,,,,,	(WIW/DD/TTTT)				(п аррпсавів)						
Additional U	l.S. or PCT	international appli	ication nu	mbers ar	re listed o	on a suppler	nental pric	ority data	sheet	t PTO/SE	i/02B attac	hed here	ito.			
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Lee J. Flecke				36,13				Ronald S. Kareken Laurence S. Roach					45,044			
Ronald J. Ki				38,20				Douglas A. Balog					42,288			
Bidyut K. Ni	iyogi			27,07				5								
Additional re	gistered pr	actitioner(s) named	d on supp	lemental	Register	ed Practitio	ner Inform	ation she	et PT	O/SB/02	C attached	d hereto.				
Direct all corres	pondence	_	Custom Bar Cod							OR	X co	orrespo	ndence addres	s below		
Name	Thoma	s R. FitzGera	ld													
Address	Jaeckle	Fleischmann	ı & Mu	gel, L	LP											
Address	39 Stat	e Street														
City	Roches	ester					Sta	State NY ZIP 14			1461	614-1310				
Country	USA		Telephone (716)) 262-3640 Fax (71					(716	6) 262-4133			
further that these	statements	tements made her s were made with t rillful false stateme	the knowl	edge tha	t willful fa	ilse stateme	ents and th	ne like so	mad	e are pur	ishable by					
Name of Sole	or First	Inventor:					A	petition	has	been fil	ed for this	s unsigr	ned inventor			
Gi	ven Name	Name (first and middle [if any])					\bot	Family Name or Surname								
Jifa			a /	,			Had)					T	10:		
Inventor's Signature		pform											Date	1/21/2000		
Residence: C	ity	White Have	aven State PA			Co	Country USA					Citizenship	CHINA. USA			
Post Office Ad	dress	300 Elmira Street, #4							W >/t							
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City		White	State	PA		ZI	P 18	661			Cou	intry	USA			
																



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DECLARATION

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ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>l</u> of <u>l</u>

									•		
Name of Addition	al Joint Inventor, if an	y:			A petiti	on has been fi	led for this	s unsigne	ed inv	entor	
Given Name (first and middle [if any])					Family Name or Surname						
John L.					amin					•	
Inventor's Signature	flu L'	`				8/ 21 Date					
Residence: City	Mountaintop	State	PA		Country	USA Citizenship			p	USA	
Post Office Address	185 Sutherland Drive									-11-	
Post Office Address		_									
City	Mountaintop	State	PA		ZIP	18707	Country	USA			
Name of Addition	nal Joint Inventor, if an	y:			A petiti	on has been fi	led for this	s unsigne	ed inv	entor	
Given Na	me (first and middle [if any])			Family Name or Surname						
Randall L.					Case						
Inventor's Signature	Rullo				8/25/00 Date						
Residence: City	Mountaintop	State	PA		Country	USA		Citizens	hip_	USA	
Post Office Address	3650 Blytheburn Road										
Post Office Address						- -					
City	Mountaintop	State	PA		ZIP	18707	Countr	y US	SA		
Name of Addition	nal Joint Inventor, if an	y:			A petiti	on has been fi	led for this	unsigne	ed inv	entor	
Given Name (first and middle [if any])					Family Name or Surname						
Jae J.				Yun							
Inventor's Signature	Jone Ver				Date		8/22/				
Residence: City	Mountaintop	ntaintop State PA Country USA Citizenship USA						USA			
Post Office Address	297 Schultz Lane										
Post Office Address			_		_		,				
City	Mountaintop	State	PA		ZIP	18707	Co	ountry	USA		

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INTERSIL CORPORATION Assignment

As a below named inventor or joint inventor of an invention or improvement entitled:

POWER SEMICONDUCTOR DEVICE WITH HIGH AVALANCHE CAPABILITY

for which I have executed an application for Letters Patent of the United States of America, on an even date herewith; and

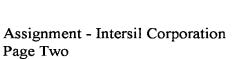
WHEREAS, INTERSIL CORPORATION, a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business in the City of Palm Bay, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over, unto said INTERSIL CORPORATION, its successors, legal representatives, and assigns, my entire right, title and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuation applications thereof, and all Letters Patent of the United States of America which may be granted thereof and all reissues and extensions hereof, and all applications for Letters Patents which may be filed for said invention in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the united States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said INTERSIL CORPORATION, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

And I hereby further covenant and agree that I will communicate to said INTERSIL CORPORATION, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said INTERSIL CORPORATION, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

N. 20.20





87552.99R272/SE-1528PD

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Inventor:	
Jifa Hao	Date: 8/2/, 2000
John L. Benjamin	Date: 8/21, 2000
Randall L. Case	Date: 8/25, 2000
Jac Jun Jac Jun	Date: 8/22, 2000